1024

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	10/028,075A
Source:	OIPÉ
Date Processed by STIC:	10/30/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
- 3. Hand Carry directly to:
 - U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

 Or
 - U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
- 4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

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ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 10 028,075A
ATTN: NEW RULES CASES:	PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
1Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
ا مد مستبها مد	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
•	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
· · · · · · · · · · · · · · · · · · ·	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001



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Does Not Comply Corrected Diskette Needed

DATE: 10/30/2002 RAW SEQUENCE LISTING PATENT APPLICATION: US/10/028,075A TIME: 15:01:56

Input Set : A:\EP.txt

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Output Set: N:\CRF4\10302002\J028075A.raw

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3 <110> APPLICANT: Khan, Nisar A.
         Benner, Robert
 6 <120> TITLE OF INVENTION: Gene regulator
 8 <130> FILE REFERENCE: 2183-5223US
10 <140> CURRENT APPLICATION NUMBER: 10/028,075A
11 <141> CURRENT FILING DATE: 2001-12-21
13 <150> PRIOR APPLICATION NUMBER: EP 01203748.7
14 <151> PRIOR FILING DATE: 2001-10-04
16 <160> NUMBER OF SEQ ID NOS: 175
18 <170> SOFTWARE: PatentIn Ver. 2.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 4
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
28 <400> SEQUENCE: 1
29 Leu Gln Gly Val
30
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32 <210> SEQ ID NO: 2
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34 <212> TYPE: PRT
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
40 <400> SEQUENCE: 2
41 Ala Gln Gly Val
42
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43 <210> SEQ ID NO: 3
44 <211> LENGTH: 6
45 <212> TYPE: PRT
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
51 <400> SEQUENCE: 3
52 Val Leu Pro Ala Leu Pro
     1
54
                                                        The type of errors shown exist throughout
56 <210> SEQ ID NO: 4
                                                        the Sequence Listing. Please check subsequent
57 <211> LENGTH: 16
                                                        sequences for similar errors.
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
62 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide Gentic Source —

See error summery

that item ||
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DATE: 10/30/2002

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PATENT APPLICATION: US/10/028,075A
                                                          TIME: 15:01:56
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                 Output Set: N:\CRF4\10302002\J028075A.raw
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66
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                                         10
                                                             15
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 7
70 <212> TYPE: PRT
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide /
76 <400> SEQUENCE: 5
77 Met Leu Ala Arg Arg Lys Pro
78
   1
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 4
82 <212> TYPE: PRT
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide /
88 <400> SEQUENCE: 6
89 Met Leu Ala Arg
90
     1
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 6
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
100 <400> SEQUENCE: 7
101 Val Leu Pro Ala Leu Thr
102
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104 <210> SEQ ID NO: 8
105 <211> LENGTH: 5
106 <212> TYPE: PRT
108 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence:
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115 <400> SEQUENCE: 8
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119 <210> SEQ ID NO: 9
120 <211> LENGTH: 4
121 <212> TYPE: PRT
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Description of Artificial Sequence:
126
          pdb/4NOS/4NOS-A
128 <400> SEQUENCE: 9
129 Phe Pro Gly Cys
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RAW SEQUENCE LISTING

RAW SEQUENCE LISTING DATE: 10/30/2002 PATENT APPLICATION: US/10/028,075A TIME: 15:01:56

Input Set : A:\EP.txt

Output Set: N:\CRF4\10302002\J028075A.raw

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130
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144 <210> SEQ ID NO: 11
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150 <223> OTHER INFORMATION: Description of Artificial Sequence:
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157 <210> SEQ ID NO: 12
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160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence:
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166 <400> SEQUENCE: 12
167 Val Leu Pro Ala Val Pro
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170 <210> SEQ ID NO: 13
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183 <210> SEQ ID NO: 14
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188 <220> FEATURE:
189 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
191 <400> SEQUENCE: 14
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193
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RAW SEQUENCE LISTINGPATENT APPLICATION: US/10/028,075A DATE: 10/30/2002 TIME: 15:01:56

Input Set : A:\EP.txt

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Output Set: N:\CRF4\10302002\J028075A.raw

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195 <210> SEQ ID NO: 15
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197 <212> TYPE: PRT
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200 <220> FEATURE:
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204 Gly Val Val Pro
205
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207 <210> SEQ ID NO: 16
208 <211> LENGTH: 5
209 <212> TYPE: PRT
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212 <220> FEATURE:
213 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
216 <400> SEQUENCE: 16
217 Val Pro Arg Gly Val
218
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222 <210> SEQ ID NO: 17
223 <211> LENGTH: 4
224 <212> TYPE: PRT
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227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
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231 Pro Arg Gly Val
232
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234 <210> SEQ ID NO: 18
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236 <212> TYPE: PRT
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
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242 <400> SEQUENCE: 18
243 Met Ala Pro Lys Lys
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246 <210> SEQ ID NO: 19
247 <211> LENGTH: 4
248 <212> TYPE: PRT
249 <213> ORGANISM: Artificial Sequence
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252 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
254 <400> SEQUENCE: 19
255 Leu Gln Gly Ala
256
      1
258 <210> SEQ ID NO: 20
259 <211> LENGTH: 10
260 <212> TYPE: PRT
261 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING DATE: 10/30/2002 PATENT APPLICATION: US/10/028,075A TIME: 15:01:56

Input Set : A:\EP.txt

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Output Set: N:\CRF4\10302002\J028075A.raw

263 <220> FEATURE: 264 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide 266 <400> SEQUENCE: 20 267 Val Leu Pro Ala Leu Pro Gln Val Val Cys 5 268 1 270 <210> SEQ ID NO: 21 271 <211> LENGTH: 6 272 <212> TYPE: PRT 273 <213> ORGANISM: Artificial Sequence 276 <220> FEATURE: 277 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide 279 <400> SEQUENCE: 21 280 Ala Leu Pro Ala Leu Pro 281 1 283 <210> SEQ ID NO: 22 284 <211> LENGTH: 6 285 <212> TYPE: PRT 286 <213> ORGANISM: Artificial Sequence 288 <220> FEATURE: 289 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide 291 <400> SEQUENCE: 22 292 Val Ala Pro Ala Leu Pro 293 1 295 <210> SEQ ID NO: 23 296 <211> LENGTH: 7 297 <212> TYPE: PRT 298 <213> ORGANISM: Artificial Sequence 300 <220> FEATURE: 301 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide 303 <400> SEQUENCE: 23 304 Ala Leu Pro Ala Leu Pro Gln 305 1 307 <210> SEQ ID NO: 24 308 <211> LENGTH: 7 309 <212> TYPE: PRT 310 <213> ORGANISM: Artificial Sequence 312 <220> FEATURE: 313 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide 315 <400> SEQUENCE: 24 316 Val Leu Pro Ala Ala Pro Gln 317 1 319 <210> SEQ ID NO: 25 320 <211> LENGTH: 7 321 <212> TYPE: PRT 322 <213> ORGANISM: Artificial Sequence 324 <220> FEATURE: 325 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide 327 <400> SEQUENCE: 25

328 Val Leu Pro Ala Leu Ala Gln

RAW SEQUENCE LISTING ERROR SUMMARY

PATENT APPLICATION: US/10/028,075A

DATE: 10/30/2002

TIME: 15:01:57

Input Set : A:\EP.txt

Output Set: N:\CRF4\10302002\J028075A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:97; Xaa Pos. 2
Seq#:98; Xaa Pos. 2

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:2; Line(s) 42
Seq#:103; Line(s) 1376
Seq#:118; Line(s) 1565

VERIFICATION SUMMARY

DATE: 10/30/2002

PATENT APPLICATION: US/10/028,075A

TIME: 15:01:57

Input Set : A:\EP.txt

Output Set: N:\CRF4\10302002\J028075A.raw

L:1287 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:97

L:1292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97 after pos.:0 L:1312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:0